



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr & Assoc. Inc.

**19 11s 21w Trego**

1515 Wynkoop Ste 700  
Denver CO 80202

**Nilhas Trusts # 1-19**

ATTN: Chris Mitchell

Job Ticket: 56016

**DST#: 2**

Test Start: 2014.03.09 @ 23:50:00

## GENERAL INFORMATION:

Formation: **LKC " F - G "**

Deviated: No Whipstock: 2210.00 ft (KB)

Time Tool Opened: 01:47:00

Time Test Ended: 07:15:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

**Interval: 3559.00 ft (KB) To 3600.00 ft (KB) (TVD)**

Reference Elevations: 2210.00 ft (KB)

Total Depth: 3600.00 ft (KB) (TVD)

2202.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8289 Outside**

Press@RunDepth: 56.96 psig @ 3560.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.09

End Date:

2014.03.10

Last Calib.:

2014.03.10

Start Time: 23:50:02

End Time:

07:14:45

Time On Btm:

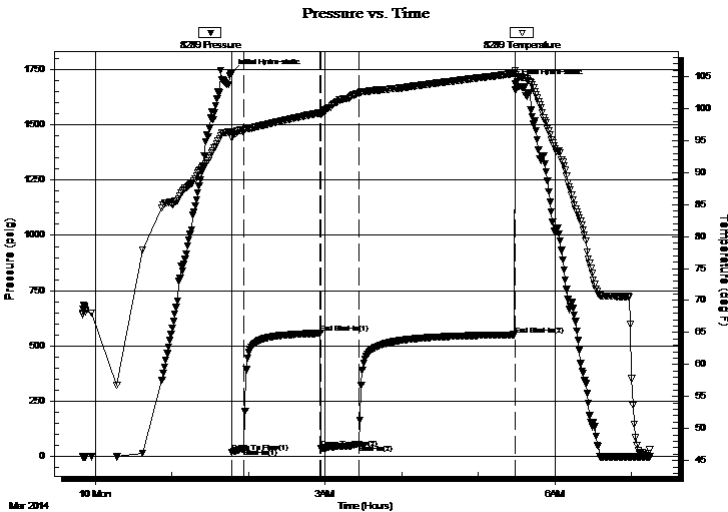
2014.03.10 @ 01:46:45

Time Off Btm:

2014.03.10 @ 05:28:45

**TEST COMMENT:** 10-IFP- Surface Blow Building to 1 3/4in.  
60-ISIP- No Blow  
30-FFP- Surface Blow Building to 3in.  
120-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1733.26	96.35	Initial Hydro-static
1	18.95	95.39	Open To Flow (1)
10	36.47	96.52	Shut-In(1)
70	557.22	99.34	End Shut-In(1)
70	37.35	99.06	Open To Flow (2)
100	56.96	102.39	Shut-In(2)
222	551.06	105.51	End Shut-In(2)
222	1685.20	105.97	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud 100%	0.70

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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Total Depth: 3600.00 ft (KB) (TVD)

2202.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6668**

**Fluid**

Press@RunDepth: psig @ 3527.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.09

End Date:

2014.03.10

Last Calib.:

2014.03.10

Start Time: 23:50:02

End Time:

07:14:45

Time On Btm:

Time Off Btm:

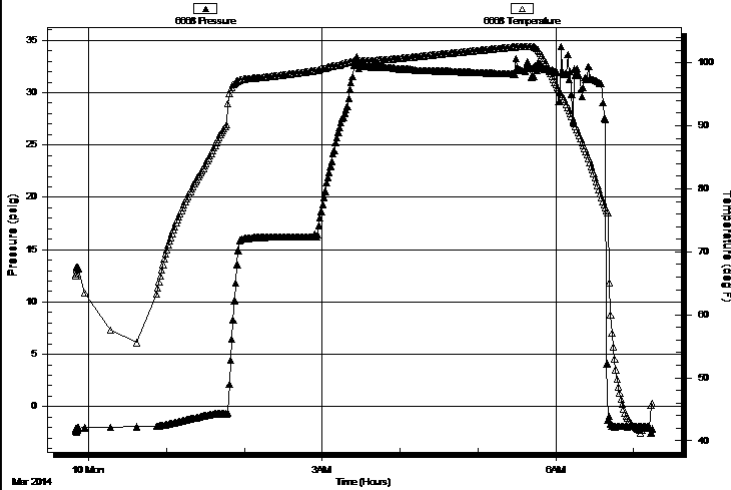
**TEST COMMENT:** 10-IFP- Surface Blow Building to 1 3/4in.

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120-FSIP- No Blow

**Pressure vs. Time**



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
70.00	Mud 100%	0.70

**Gas Rates**

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

\* Recovery from multiple tests



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TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Samuel Gary Jr & Assoc. Inc.

**19 11s 21w Trego**

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Denver CO 80202

**Nilhas Trusts # 1-19**

Job Ticket: 56016

**DST#: 2**

ATTN: Chris Mitchell

Test Start: 2014.03.09 @ 23:50:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.50 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud 100%	0.700

Total Length: 70.00 ft      Total Volume: 0.700 bbl

Num Fluid Samples: 0

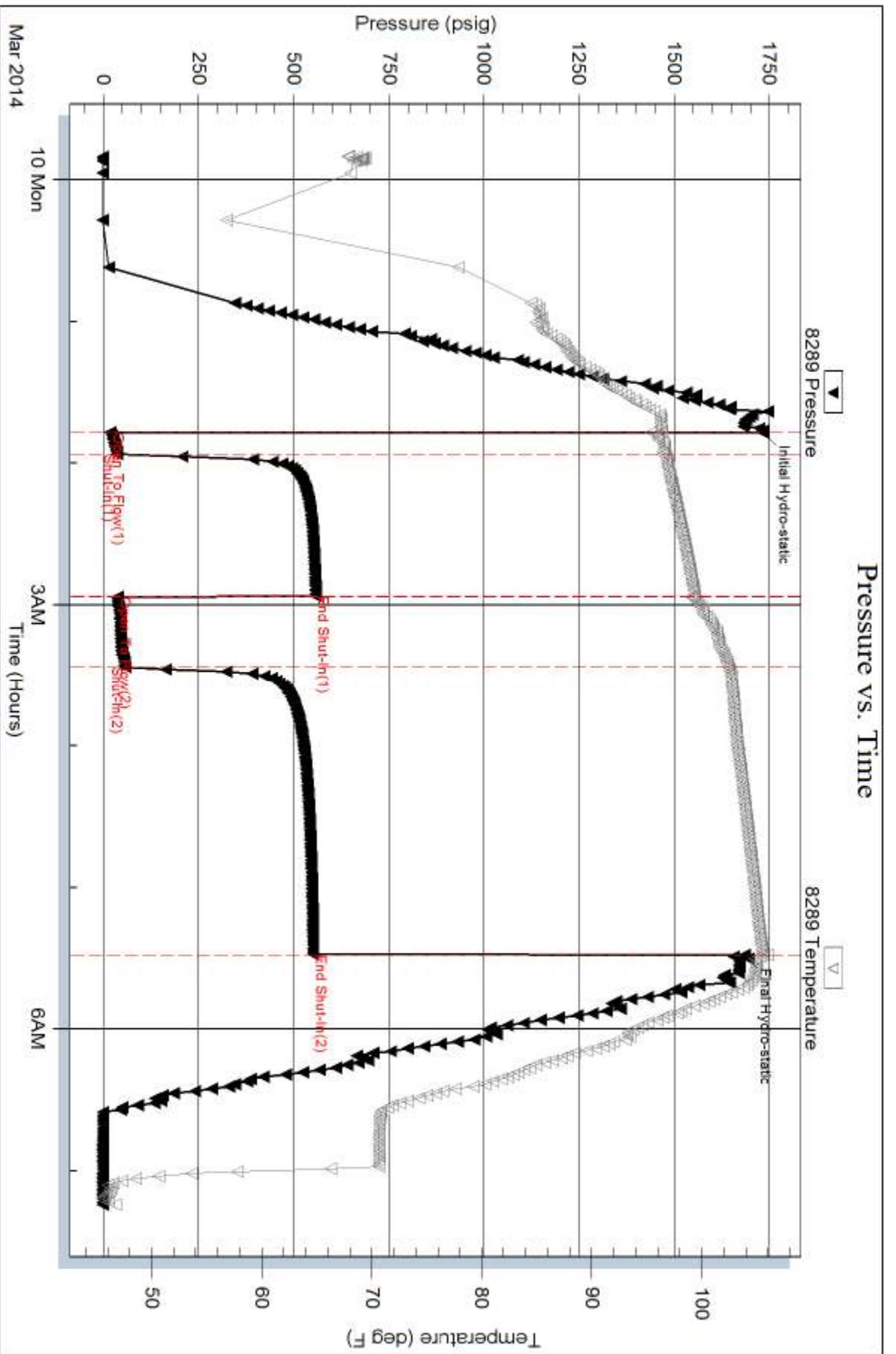
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



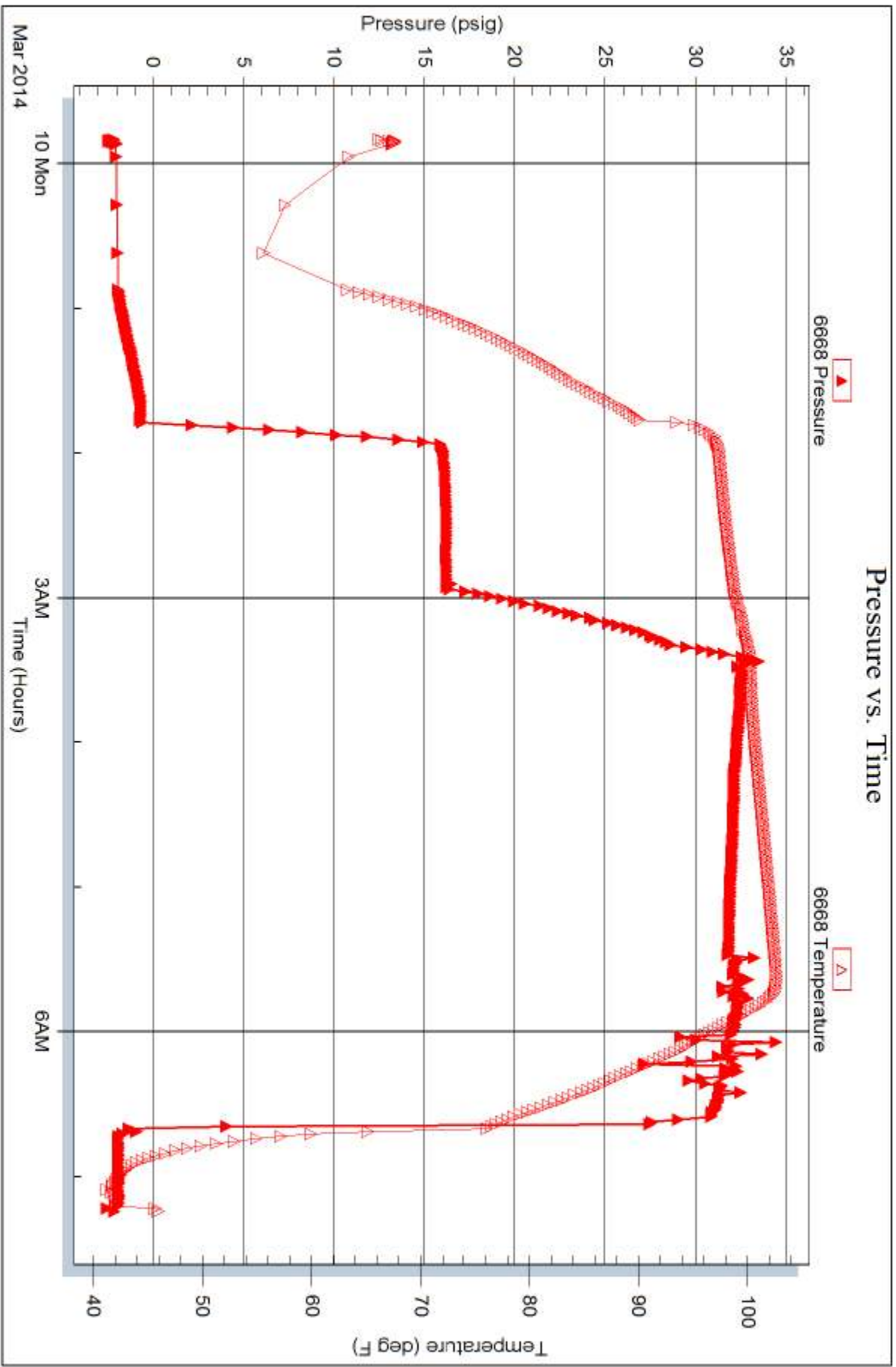
Serial #: 6668

Fluid

Samuel Gary Jr & Assoc. Inc.

Nilnas Trusts # 1-19

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 56016

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